(I-aiv) compound in which rings A¹ to A⁴ represent trans-l,4- cyclohexylene, 1,4-phenylene, 3-fluoro-l,4-phenylene, or 3,5- difluoro-l,4-phenylene, and

(I-av) compound in which one, or two or more hydrogen atoms, which are present in naphthalene-2,6-diyl ring, a 1,2,3,4- tetrahydronaphthalene-2,6-diyl ring, a decahydronaphthalene-2,6-diyl ring, a side chain group R¹, a polar group Q¹, linking groups K¹ to K⁵ and rings A¹ to A⁴, are substituted with deuterium atoms, in the general formulas (I-1) to (I-5);

(I-avi) compound in which W¹ to W³ represent H, F, Cl, CF₃, or OCF₃ in the general formulas (I-1) to (I-3) and (I-5); and

(I-avii) compound in which X^1 and X^2 represent H, F, Cl, CF_3 , or OCF_3 in the general formulas (I-2) to (I-4).

4. (Amended) A nematic liquid crystal composition according to claim 1, wherein said liquid crystal component A contains one to twenty kinds of compounds selected from one, two, or three or more sub-groups among the following sub-groups (I-bi) to (I-bvii), the content of said compounds being within a range from 5 to 100% by weight:

(I-bi) compound in which $k^1=k^2=0$, the ring A^1 is trans-1,4- cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene, 3,5- difluoro-1,4-phenylene, naphthalene-2,6-diyl, 1,2,3,4- tetrahydronaphthalene-2,6-diyl, or decahydronaphthalene-2,6- diyl, K^1 is a single bond, $-(CH_2)_2$ -, -COO-, or $-C \equiv C$ -, and

(I-bii) compound in which $k^1=1$, $k^2=0$, rings A^1 and A^2 represent trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene, 3, 5-difluoro-1,4-phenylene, naphthalene-2,6-diyl, 1,2,3,4-tetrahydronaphthalene-2,6-diyl, or decahydronaphthalene-2,6-diyl, K^1 is a single bond, $-(CH_2)_2$ -, -COO-, or -C = C-, K^1 and K^2 represent a single bond, $-(CH_2)_2$ -, -COO-, or -C = C-, in the general formula (I-1) in which R^1 is an alkyl or alkenyl group having 2 to 7 carbon atoms, Q^1 is F, Cl, CF_3 , OCF_3 , or CN, and W^1 to W^3 each represents H, F, Cl, CF_3 , or OCF_3 ;

(I-biii) compound in which $k^3=k^4=0$, the ring A^1 is trans-l,4- cyclohexylene, 1,4-phenylene, 3-fluoro-l,4-phenylene, or 3,5- difluoro-1,4-phenylene, and K^1 and K^4 represent a single bond, $-(CH_2)_2$ -, -COO-, or $-C \equiv C$ -, in the general formula (I-2) in which R^1 is an alkyl or alkenyl group having 2 to 7 carbon atoms, Q^1 is F, Cl, CF_3 , OCF_3 , or CN, X^1 and X^2 represent H, F, Cl, CF_3 , or OCF_3 , and W^1 to W^3 represent H, F, Cl, CF_3 , or OCF_3 ;

(I-biv) compound in which $k^1=k^2=0$, K^3 is a single bond, -COO-, or -C=C-, and (I-bv) compound in which $k^1=1$, $k^2=0$, the ring A^1 is 1,4-phenylene, 3-fluoro-1,4-phenylene, or a 3,5-difluoro-1,4- phenylene, K^1 and K^3 represent -COO- or -C=C-, in the general formula (I-3) in which R^1 is an alkyl or alkenyl group having 2 to 7 carbon atoms, Q^1 is F, C1, CF₃, OCF₃, or C, X^1 and X^2 represent H, F, Cl, CF₃, or OCF₃, and W^1 to W^3 represent H, F, Cl, CF₃, or OCF₃;

(I-bvi) compound in which $k^5 = k^6 = k^7 = k^8 = 0$, K^5 is a single bond, $-(CH_2)_2$ -, $-(CH_2)_4$ -, -COO-, or -C = C-,

(I-bvii) compound in which $k^5=1$, $k^6=k^7=k^8=0$, the ring A^1 is trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene, or 3,5-difluoro-1,4-phenylene, K^1 and K^5 represent a single bond, -(CH₂)₂-, -COO-, or -C=C-,

(I-bviii) compound in which $k^7=1$, $k^5=k^6=k^8=0$, the ring A^3 is trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene, or 3,5-difluoro-1,4-phenylene, K^3 and K^5 represent a single bond, -(CH₂)₂-, -COO-, or -C=C-, and

(I-bix) compound in which the decahydronaphthalene-2,6-diyl ring has at least one substituent among substituents -CF₂-, -CH₂-O-, -CH=CH-, -CH=CF-, -CF=CF-, -CH=N-, -CF=N-, >CH-O-, >C=CH-, >C=CF-, >C=N-, >N-CH₂-, >CH-CF<, >CF-CF<, >C=C<, and Si, in the general formula (I-4) in which R^1 is an alkyl or alkenyl group having 2 to 7 carbon atoms, Q^1 is F, Cl, CF₃, OCF₃, or CN, and X^1 and X^2 represent H, F, Cl, CF₃, OCF₃; and

(I-bx) compound in which $k^1 = k^2 = 0$, the ring A^1 is trans-1,4- cyclohexylene, 1,4-phenylene, 3-fluoro-1,4-phenylene, 3,5- difluoro-1,4-phenylene, naphthalene-2,6-diyl, 1,2,3,4- tetrahydronaphthalene-2,6-diyl, or decahydronaphthalene-2,6- diyl, K^1 is a single bond, $-(CH_2)_2$ -, $-(CH_2)_4$ -, or -COO-, and (I-bxi) compound in which $k^1 = 1$, $k^2 = 0$, rings A^1 and A^2 represent trans-1,4-cyclohexylene, 1,4-phenylene, 3-fluoro-1,4- phenylene, 3,5-difluoro-1,4-phenylene, naphthalene-2,6-diyl, 1,2,3,4-tetrahydronaphthalene-2,6-diyl, or decahydronaphthalene-2,6-diyl, and K^1 and K^2 each represents a single bond, $-(CH_2)_2$ -, $-(CH_2)_4$ -, or -COO-, in the general formula (I-5) in which R^1 is an alkyl or

alkenyl group having 2 to 7 carbon atoms, Q¹ is F, Cl, CF₃, OCF₃, or CN, and W¹ and W² represent H, F, Cl, CF₃, or OCF₃.

5. (Amended) A nematic liquid crystal composition according to claim 1, wherein said liquid crystal component B contains one, or two or more kinds of compounds selected from the group of compounds represented by the general formulas (II-1) to (II-4):

(II-1)
$$R^{1}$$
 B^{1} P^{1} B^{2} P^{2} Q^{1}

(II-2)
$$R^{1}$$
 P^{2} P^{1} P^{2} P^{1} P^{2} P^{2} P^{2} P^{2}

(II-3)
$$\mathbb{R}^{1}$$
 \mathbb{V}^{1} \mathbb{V}^{3} \mathbb{V}^{1} \mathbb{V}^{1} \mathbb{V}^{2} \mathbb{V}^{3} \mathbb{V}^{1}

(II-4)
$$R^1$$
 B^3 p^2 W^2 p^3 Y^2

(wherein R1 each independently represents an alkyl group having 1 to 10 carbon atoms or an alkenyl group having 2 to 10 carbon atoms, said alkyl or alkenyl group can have one, or two or more F, Cl, CN, CH₃ or CF₃ as a non-substituent or substituent group, and one, or two or more CH₂ group, which are present in said alkyl or alkenyl group, may be substituted with O, CO or COO, while O atoms do not bond with each other directly;

Q¹ each independently represents F, Cl, CF₃, OCF₃, OCF₂H, OCFH₂, NCS, or CN;
W¹ to W⁴ each independently represents H, F, Cl, CF₃, OCF₃, or CN, and also W⁴ each independently represents CH₃;

Y¹ and Y² each independently represents H, F, Cl, CF₃, OCF₃, or CN;

V represents CH or N;

p¹ to p³ each independently represents, a single bond, -COO-, -OCO-, -CH₂O-, -OCH₂-, -(CH₂)₂-, -(CH₂)₂-, -(CH₂)₂-, -(CH₂)₂-, -(CH₂)₂-, -(CH₂)₂-CH=CH-, -CH=N-, =CH=N-N=CH-, or -N(O)=N-, and p³ each independently represents -CH=CH-, -CF=CF-, or C \equiv C-;

rings B¹ to B³ each independently represents trans-1,4-cyclohexylene, trans-1,4-cyclohexylene, trans-1,3-dioxane- 2,5-diyl, trans-1-sila-1,4-cyclohexylene, or trans-4-sila-1,4-cyclohexylene, and the ring B³ may also be 1,4-phenylene, 2- or 3-fluoro-1,4-phenylene, 3, 5-difluoro-1,4-phenylene, 2- or 3-chloro-1,4-phenylene, 2, 3-dichloro-1,4-phenylene, or 3,5- dichloro-1,4-phenylene;

one, or two or more hydrogen atoms, which are present in a side chain group R^1 , a polar group Q^1 , linking groups P^1 to P^3 and rings B^1 to B^3 , may be substituted with a deuterium atom;

 p^1 to p^3 each independently represents 0 or 1, and $p^2 + p^3$ is 0 or 1; and

atoms, which constitute the compounds of the general formulas (II-1) to (II-4), may be substituted with isotope atoms thereof).

9. (Amended) A nematic liquid crystal composition according to claim 1, wherein said liquid crystal component C contains compounds selected from the group of compounds represented by the general formulas (III-l) to (III-4):

(III-1)
$$R^2 \left[\begin{array}{c} C^1 \\ \end{array} \right] M^1 \prod_{m=1}^{n} C^2 M^2 X_2^3 X_2^3$$

(III-2)
$$R^2 \subset \mathbb{C}^2 - M^2 = \mathbb{C}^2 \times \mathbb{C}^3 \times \mathbb{C}^3$$

(III-3)
$$R^{2} \underbrace{ C^{1}}_{m^{1}} \underbrace{ M^{3}}_{m^{2}} \underbrace{ W^{1}}_{M^{3}} \underbrace{ Z^{3}}_{Z^{2}} \underbrace{ Z^{1}}_{Z^{2}}$$

(III-4)
$$R^{2} \underbrace{ C^{1} }_{m^{2}} \underbrace{ W^{3} W^{1}}_{W^{2}} \underbrace{ C^{3} }_{m^{3}} \underbrace{ R^{3}}_{m^{3}}$$

(wherein W¹ to W³ each independently represents H, F, Cl, CF₃, OCF₃, or CN;

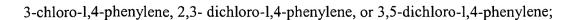
V represents CH or N;

R² and R³ each independently represents an alkyl or alkoxy group having 1 to 10 carbon atoms or an alkenyl or alkenyloxy group having 2 to 10 carbon atoms, said alkyl, alkoxy, alkenyl or alkenyloxy group can have one, or two or more F, Cl, CN, CH₃ or CF₃ as a non-substituent or substituent group, and one, or two or more CH₂ group, which are present in said alkyl, alkoxy, alkenyl or alkenyloxy group, may be substituted with O, CO or COO, while O atoms do not bond with each other directly;

Z¹ to Z³ each independently represents H, F, Cl, CF₃, OCF₃, or CN, and Z³ each independently represents -CH₃;

 M^1 to M^3 each independently represents, a single bond, -COO-, -OCO-, -CH₂O-, -OCH₂- -(CH₂)₂-, -(CH₂)₄-, -CH=CH- (CH₂)₂-, -(CH₂)₂-CH=CH-, -CH=N-,=CH=N-N=CH-, or -N(O)=N-, and M^1 and M^3 each independently represents -CH=CH-, -CF=CF-, or C=C-;

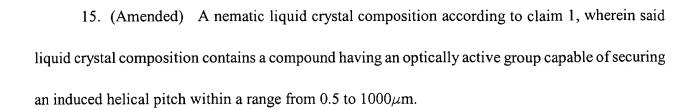
rings C¹ to C³ each independently represents trans-1,4-cyclohexylene, trans-1,4-cyclohexylene, trans-1,3-dioxane- 2,5-diyl, trans-1-sila-1,4-cyclohexylene, trans-4-sila-1,4-cyclohexylene, naphthalene-2,6-diyl, 1,2,3,4- tetrahydronaphthalene-2,6-diyl, or decahydronaphthalene-2,6-diyl, naphthalene-2,6-diyl and 1,2,3,4-tetrahydronaphthalene-2,6-diyl can have one, or two or more F, C1, CF₃ or CH₃ as a non-substituent or substituent group, and rings C¹ and C³ may also be 1,4-phenylene, 2,3-difluoro-1,4-phenylene, 3,5-difluoro-1,4-phenylene, 2- or



one, or two or more hydrogen atoms, which are present in side chain groups R^2 and R^3 , linking groups M^1 to M^3 and rings C^1 to C^3 , may be substituted with a deuterium atom;

 m^1 to m^3 each independently represents 0 or 1, and $m^2 + m^3$ is 0 or 1; and atoms, which constitute the compounds of the general formulas (III-1) to (III-4), may be substituted with isotope atoms thereof).

- 13. (Amended) A nematic liquid crystal composition according to claim 1, wherein said liquid crystal composition contains one, or two or more kinds of core-structure compounds which have four six-membered rings and a liquid crystal phase- isotropic liquid phase transition temperature of 100°C or higher.
- 14. (Amended) A nematic liquid crystal composition according to claim 1, wherein said liquid crystal composition has a dielectric constant anisotropy within a range from 2 to 40, a birefringent index within a range from 0.02 to 0.40, a nematic phase-isotropic liquid phase transfer temperature within a range from 50 to 180°C or higher, and a crystal phase-, smectic phase- or glass phase-nematic phase transfer temperature within a range from -200 to 0°C.



- 16. (Amended) An active matrix, twisted nematic or super twisted nematic liquid display device using the nematic liquid crystal composition of claim 1.
- 17. (Amended) A light scattering type liquid display device comprising a light modulation layer which contains the liquid crystal composition of claim 1 and a transparent solid substance.